OPERATION PROCEDURE:

The Red alligator clip should be clipped to the positive side of the power supply on the PC board under test. The Black alligator clip is to be clipped to the negative side of the power supply. When the clip being attached to the PC board under test, the PULSE INDICATOR, yellow LED may blink one time this is normal. If it still blinks, please check the ripple of power supply. When using unit, make sure that the tip of the probe is making good contact with the circuit board.

A. TTL/DTL CIRCUITS

1. Attach the supply clips to +5VDC and ground.
2. Set switch to TTL position.
3. Logic level indication.

Logic	Input Level	Display Light Up
0	<0.8V±0.2V	LO-LED (Green)
1	>2.3V±0.2V	HI-LED (Red)
bad	0.8V-2.3V	no indication

B. CMOS CIRCUITS

1. Attach the supply clips to +3~+18VDC and ground.
2. Set switch to CMOS position.
3. Logic level indication.

Logic	Input Level	Display Light Up
0	<30% Vcc±10%	LO-LED (Green)
1	>70% Vcc±10%	HI-LED (Red)
bad	30%-70% Vcc	no indication

SPECIFICATIONS:

- PULSE DETECTOR (PULSE-LED):
  High speed pulse train or single events (+or-transitions) activate 500ms. pulse stretcher. In memory position of PULSE/MEMORY switch, first transition lights and latches LED.

Logic & Light Up		DTL/TTL	CMOS
0	(HI-LED)	2.3V±0.2V	70% Vcc±10%
1	(LO-LED)	0.8V±0.2V	30% Vcc±10%

- DETECTABLE PULSE WIDTH: 30ns min.
- INPUT IMPEDANCE: > 1M ohms.
- INPUT SIGNAL FREQUENCY: > 17MHz.
- INPUT OVERLOAD PROTECTION: ±220V DC/AC for less than 15sec.
- PROBE POWER: DC5V-15V/25mA-40mA
- PROBE POWER PROTECTION: ±20V max. with power leads reversal protection.
- DIMENSION: 212 x 26.5 x 18mm (LxWxH).
- WEIGHT: 65 gm. (net)